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4/30/01

*L. Specter*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/185,408

DATE: 11/29/2001  
TIME: 10:09:43

Input Set : N:\Crf3\RULE60\09185408.txt  
Output Set: N:\CRF3\11292001\I185408.raw

## SEQUENCE LISTING

## 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: THE UNITED STATES OF AMERICA, AS REPRESENTED  
6 BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES IN  
7 CARE OF NATIONAL INSTITUTES OF HEALTH Office of Technology  
8 Transfer Suite 325, 6011 Executive Boulevard, Rockville, MD  
9 20852

11 (ii) TITLE OF INVENTION: GLYCOPROTEIN HORMONE SUPERAGONISTS

13 (iii) NUMBER OF SEQUENCES: 37

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
17 (B) STREET: Suite 1200, 127 Peachtree Street  
18 (C) CITY: Atlanta  
19 (D) STATE: Georgia  
20 (E) COUNTRY: USA  
21 (F) ZIP: 30303

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

**ENTERED**

29 (vi) CURRENT APPLICATION DATA:

30 (A) APPLICATION NUMBER: US/09/185,408  
C--> 31 (B) FILING DATE: 03-Nov-1998  
32 (C) CLASSIFICATION:

34 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: PCT/US96/06483  
36 (B) FILING DATE:

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Perryman, David G.  
42 (B) REGISTRATION NUMBER: 33,438  
43 (C) REFERENCE/DOCKET NUMBER: 14014.0185/P

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: 404/688-0770  
47 (B) TELEFAX: 404/688-9880

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 22 base pairs  
54 (B) TYPE: nucleic acid  
55 (C) STRANDEDNESS: single  
56 (D) TOPOLOGY: linear

58 (ii) MOLECULE TYPE: DNA (genomic)

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

65 CCTGATAGAT TGGCCAGAAT GC

22

67 (2) INFORMATION FOR SEQ ID NO: 2:

69 (i) SEQUENCE CHARACTERISTICS:

70 (A) LENGTH: 24 base pairs

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71 (B) TYPE: nucleic acid  
72 (C) STRANDEDNESS: single  
73 (D) TOPOLOGY: linear  
75 (ii) MOLECULE TYPE: DNA (genomic)  
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
82 GTGATAATAA CAAGTACTGC AGTG 24  
84 (2) INFORMATION FOR SEQ ID NO: 3:  
86 (i) SEQUENCE CHARACTERISTICS:  
87 (A) LENGTH: 12 amino acids  
88 (B) TYPE: amino acid  
89 (C) STRANDEDNESS: Not Relevant  
90 (D) TOPOLOGY: linear  
92 (ii) MOLECULE TYPE: peptide  
97 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
99 Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro  
100 1 5 10  
102 (2) INFORMATION FOR SEQ ID NO: 4:  
104 (i) SEQUENCE CHARACTERISTICS:  
105 (A) LENGTH: 12 amino acids  
106 (B) TYPE: amino acid  
107 (C) STRANDEDNESS: Not Relevant  
108 (D) TOPOLOGY: linear  
110 (ii) MOLECULE TYPE: peptide  
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
117 Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro  
118 1 5 10  
120 (2) INFORMATION FOR SEQ ID NO: 5:  
122 (i) SEQUENCE CHARACTERISTICS:  
123 (A) LENGTH: 12 amino acids  
124 (B) TYPE: amino acid  
125 (C) STRANDEDNESS: Not Relevant  
126 (D) TOPOLOGY: linear  
128 (ii) MOLECULE TYPE: peptide  
133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
135 Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser Gln Pro  
136 1 5 10  
138 (2) INFORMATION FOR SEQ ID NO: 6:  
140 (i) SEQUENCE CHARACTERISTICS:  
141 (A) LENGTH: 12 amino acids  
142 (B) TYPE: amino acid  
143 (C) STRANDEDNESS: Not Relevant  
144 (D) TOPOLOGY: linear  
146 (ii) MOLECULE TYPE: peptide  
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
153 Cys Gln Leu His Glu Asn Pro Phe Phe Ser Gln Pro  
154 1 5 10  
156 (2) INFORMATION FOR SEQ ID NO: 7:  
158 (i) SEQUENCE CHARACTERISTICS:  
159 (A) LENGTH: 12 amino acids

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160 (B) TYPE: amino acid  
161 (C) STRANDEDNESS: Not Relevant  
162 (D) TOPOLOGY: linear  
164 (ii) MOLECULE TYPE: peptide  
169 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
171 Cys Lys Pro Arg Glu Asn Gln Phe Phe Ser Lys Pro  
172 1 5 10  
174 (2) INFORMATION FOR SEQ ID NO: 8:  
176 (i) SEQUENCE CHARACTERISTICS:  
177 (A) LENGTH: 12 amino acids  
178 (B) TYPE: amino acid  
179 (C) STRANDEDNESS: Not Relevant  
180 (D) TOPOLOGY: linear  
182 (ii) MOLECULE TYPE: peptide  
187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
189 Cys Lys Pro Arg Glu Asn Lys Phe Phe Ser Lys Pro  
190 1 5 10  
192 (2) INFORMATION FOR SEQ ID NO: 9:  
194 (i) SEQUENCE CHARACTERISTICS:  
195 (A) LENGTH: 12 amino acids  
196 (B) TYPE: amino acid  
197 (C) STRANDEDNESS: Not Relevant  
198 (D) TOPOLOGY: linear  
200 (ii) MOLECULE TYPE: peptide  
205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
207 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Arg Leu  
208 1 5 10  
210 (2) INFORMATION FOR SEQ ID NO: 10:  
212 (i) SEQUENCE CHARACTERISTICS:  
213 (A) LENGTH: 12 amino acids  
214 (B) TYPE: amino acid  
215 (C) STRANDEDNESS: Not Relevant  
216 (D) TOPOLOGY: linear  
218 (ii) MOLECULE TYPE: peptide  
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
225 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Pro  
226 1 5 10  
228 (2) INFORMATION FOR SEQ ID NO: 11:  
230 (i) SEQUENCE CHARACTERISTICS:  
231 (A) LENGTH: 12 amino acids  
232 (B) TYPE: amino acid  
233 (C) STRANDEDNESS: Not Relevant  
234 (D) TOPOLOGY: linear  
236 (ii) MOLECULE TYPE: peptide  
241 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
243 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Pro  
244 1 5 10  
246 (2) INFORMATION FOR SEQ ID NO: 12:  
248 (i) SEQUENCE CHARACTERISTICS:

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249 (A) LENGTH: 12 amino acids  
250 (B) TYPE: amino acid  
251 (C) STRANDEDNESS: Not Relevant  
252 (D) TOPOLOGY: linear  
254 (ii) MOLECULE TYPE: peptide  
259 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
261 Cys Lys Leu Arg Glu Asn Lys Tyr Phe Phe Lys Leu  
262 1 5 10  
264 (2) INFORMATION FOR SEQ ID NO: 13:  
266 (i) SEQUENCE CHARACTERISTICS:  
267 (A) LENGTH: 12 amino acids  
268 (B) TYPE: amino acid  
269 (C) STRANDEDNESS: Not Relevant  
270 (D) TOPOLOGY: linear  
272 (ii) MOLECULE TYPE: peptide  
277 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
279 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu  
280 1 5 10  
282 (2) INFORMATION FOR SEQ ID NO: 14:  
284 (i) SEQUENCE CHARACTERISTICS:  
285 (A) LENGTH: 12 amino acids  
286 (B) TYPE: amino acid  
287 (C) STRANDEDNESS: Not Relevant  
288 (D) TOPOLOGY: linear  
290 (ii) MOLECULE TYPE: peptide  
295 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
297 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu  
298 1 5 10  
300 (2) INFORMATION FOR SEQ ID NO: 15:  
302 (i) SEQUENCE CHARACTERISTICS:  
303 (A) LENGTH: 12 amino acids  
304 (B) TYPE: amino acid  
305 (C) STRANDEDNESS: Not Relevant  
306 (D) TOPOLOGY: linear  
308 (ii) MOLECULE TYPE: peptide  
313 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
315 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu  
316 1 5 10  
318 (2) INFORMATION FOR SEQ ID NO: 16:  
320 (i) SEQUENCE CHARACTERISTICS:  
321 (A) LENGTH: 12 amino acids  
322 (B) TYPE: amino acid  
323 (C) STRANDEDNESS: Not Relevant  
324 (D) TOPOLOGY: linear  
326 (ii) MOLECULE TYPE: peptide  
331 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
333 Cys Lys Leu Lys Glu Asn Lys Tyr Phe Ser Lys Leu  
334 1 5 10  
336 (2) INFORMATION FOR SEQ ID NO: 17:

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338 (i) SEQUENCE CHARACTERISTICS:  
339 (A) LENGTH: 12 amino acids  
340 (B) TYPE: amino acid  
341 (C) STRANDEDNESS: Not Relevant  
342 (D) TOPOLOGY: linear  
344 (ii) MOLECULE TYPE: peptide  
349 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
351 Cys Lys Leu Lys Gln Asn Lys Tyr Phe Ser Lys Leu  
352 1 5 10  
354 (2) INFORMATION FOR SEQ ID NO: 18:  
356 (i) SEQUENCE CHARACTERISTICS:  
357 (A) LENGTH: 12 amino acids  
358 (B) TYPE: amino acid  
359 (C) STRANDEDNESS: Not Relevant  
360 (D) TOPOLOGY: linear  
362 (ii) MOLECULE TYPE: peptide  
367 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
369 Cys Lys Leu Gly Glu Asn Arg Phe Phe Ser Lys Pro  
370 1 5 10  
372 (2) INFORMATION FOR SEQ ID NO: 19:  
374 (i) SEQUENCE CHARACTERISTICS:  
375 (A) LENGTH: 12 amino acids  
376 (B) TYPE: amino acid  
377 (C) STRANDEDNESS: Not Relevant  
378 (D) TOPOLOGY: linear  
380 (ii) MOLECULE TYPE: peptide  
385 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
387 Cys Lys Leu Gly Glu Asn Arg Phe Phe Ser Lys Pro  
388 1 5 10  
390 (2) INFORMATION FOR SEQ ID NO: 20:  
392 (i) SEQUENCE CHARACTERISTICS:  
393 (A) LENGTH: 12 amino acids  
394 (B) TYPE: amino acid  
395 (C) STRANDEDNESS: Not Relevant  
396 (D) TOPOLOGY: linear  
398 (ii) MOLECULE TYPE: peptide  
403 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
405 Cys Lys Leu Gly Glu Asn Arg Phe Phe Ser Lys Pro  
406 1 5 10  
408 (2) INFORMATION FOR SEQ ID NO: 21:  
410 (i) SEQUENCE CHARACTERISTICS:  
411 (A) LENGTH: 12 amino acids  
412 (B) TYPE: amino acid  
413 (C) STRANDEDNESS: Not Relevant  
414 (D) TOPOLOGY: linear  
416 (ii) MOLECULE TYPE: peptide  
421 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
423 Cys Arg Leu Lys Glu Asn Leu Arg Phe Ser Asn Met  
424 1 5 10

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/185,408

DATE: 11/29/2001  
TIME: 10:09:44

Input Set : N:\Crf3\RULE60\09185408.txt  
Output Set: N:\CRF3\11292001\I185408.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]